



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D206-642-311BL
Job Sheet 170520



Part No: D206-642-311BL

Job Qty: 1 ea

Part Name: Skidtube LH (Ael Blue)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/17/18

Job Tracking No:

Due Date: 1/31/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV Q SHEETS 29-30 IPP Rev:J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec IPP Rev:L 08-09-29 as per DSI9421 DD verified by:EC IPP Rev:M as per REV.N DD 10.04.19 verified by:EC IPP Rev:N 14.04.25 ECN14-520 DD verf:JLM IPP REV:O 15.10.09 ADDED BL DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		1/31/18	0.00	0.00	Start Up Stores/Pkg-1		JAN 29 2018
110	Packaging	1 pcs		1/31/18	0.00	0.00	Packaging1-2		
120	QC	1 pcs		1/31/18	0.00	0.00	QC4		
125	DC	1 pcs		1/31/18	0.00	0.00	DC		
130	Packaging	1 pcs		1/31/18	0.00	0.00	Packaging3-1		
140	QC21-FG	1 Ea		1/31/18	0.00	0.00	QC21		

Part Op 110 - Pick Kit

Descriptions: 120 - QC4- 100% Inspect kits for completeness

125 - Document Control Photocopy bluefile and create labels per PPP D206-642-311 CHG008

130 - Identify as per dwg & Stock Location: _____ Identify and pack for shipping as per PPP D206-642-311 Location: _____
PPP Rev: _____

140 - QC21- Final Inspection - Work Order Release

5033691x1

D00166

QA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																																							
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																																																																																					
Description Work Order Deviation		Disposition																																																																																							
Job No: 170520 Start up Operation 01/29/18 CHG008 Change No: Operation: Revision: Original Serial #: S036316 PART NO: D206-642-311BL DART AEROSPACE S036316 Skidtube LH (Ael Blue) Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K64 1K7 CANADA TEL: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com																																																																																									
<table style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">Root Cause</th> <th colspan="2"></th> <th colspan="2"></th> </tr> <tr> <td style="width:15%;">Environment</td> <td style="width:15%;">☐</td> <td style="width:15%;">No Re-verifica</td> <td style="width:15%;">☐</td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> <tr> <td>Design</td> <td>☐</td> <td>Operator</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>Doc/Data</td> <td>☐</td> <td>Offset/Setu</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>Equip/Tooling</td> <td>☐</td> <td>Supplier</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>Handling/Pre</td> <td>☐</td> <td>Training</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>Material</td> <td>☐</td> <td>Use for Test</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>Internal Transport</td> <td>☐</td> <td>Poor Information</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>Tribal Knowledge</td> <td>☐</td> <td>Rushing</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>LOA</td> <td>☐</td> <td>Product Improvement</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>Substation</td> <td>☐</td> <td>Process Improvement</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>Past Expiry Date</td> <td>☐</td> <td>Manufacturing Process</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td>Misidentified</td> <td>☐</td> <td>Past Due</td> <td>☐</td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="text-align: center;">OTHER : _____</td> </tr> </table>						Root Cause						Environment	☐	No Re-verifica	☐			Design	☐	Operator	☐			Doc/Data	☐	Offset/Setu	☐			Equip/Tooling	☐	Supplier	☐			Handling/Pre	☐	Training	☐			Material	☐	Use for Test	☐			Internal Transport	☐	Poor Information	☐			Tribal Knowledge	☐	Rushing	☐			LOA	☐	Product Improvement	☐			Substation	☐	Process Improvement	☐			Past Expiry Date	☐	Manufacturing Process	☐			Misidentified	☐	Past Due	☐			OTHER : _____					
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Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	AN3-41A 5033348	8	81	0	0
	-AN4-6A 5033317	12	631	0	0
	-AN4C5A 5033315	1	95	0	0
	-AN5-10A 5033313	4	317	0	0
	-AN5-11A 5033310	8	308	0	0
	-AN5-12A 5033307	4	436	0	0
	D206-642-341BL	1	2	0	0
	D206-648-013BL	1	0	0	0
	-D2652 5033305	16	468	0	0
	-D2712 5033303	10	465	0	0
	D2932-1BL	1	11	0	0
	D2933-1BL	1	11	0	0
	-D2934 5033302	2	26	0	0
	-D2935 5033301	2	18	0	0
	D2938-1BL	1	11	0	0
	D2939-1BL	1	11	0	0
	D3407-043 5033300	1	14	0	0
	-D3413-1BL 5033297	1	5	0	0
	-D3456-1 5033293	1	128	0	0
	D3457-1 5036780	2	13	0	0
	-MS21042L3 5033289	8	3,000	0	0
	-MS21042L4 5033286	12	3,183	0	0
	-MS21043-4 5033284	1	1,057	0	0
	-NAS1149C0463R 5033283		254	0	0
	-NAS1149D0363J 5033279	8	4,256	0	0
	-NAS1149D0463J 5033278	25	5,256	0	0
	-NAS1149D0563J 5033274	8	1,191	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Master Unit 000166

Tel (613) 632-5200

Containers on Master Unit 000166				
Serial No	Part No	Customer Part No	Status	Quantity
S006255	AN3-41A	AN3-41A	Allocated	1
S033348	AN3-41A	AN3-41A	Allocated	7
S033317	AN4-6A	AN4-6A	Allocated	12
S033315	AN4C5A	AN4C5A	Allocated	1
S033313	AN5-10A	AN5-10A	Allocated	4
S033310	AN5-11A	AN5-11A	Allocated	8
S033307	AN5-12A		Allocated	4
S033305	D2652	D2652	Allocated	16
S033303	D2712	D2712	Allocated	10
S036304	D2932-1BL		Allocated	1
S036300	D2933-1BL		Allocated	1
S033302	D2934	D2934	Allocated	2
S033301	D2935		Allocated	2
S036296	D2938-1BL		Allocated	1
S036295	D2939-1BL		Allocated	1
S033300	D3407-043BL	D3407-043BL	Allocated	1
S033297	D3413-1BL	D3413-1BL	Allocated	1
S033293	D3456-1	D3456-1	Allocated	1
S036280	D3457-1	D3457-1	Allocated	2
S033289	MS21042L3	MS21042L3	Allocated	8
S033286	MS21042L4	MS21042L4	Allocated	12
S033284	MS21043-4	MS21043-4	Allocated	1
S033283	NAS1149C0463R	NAS1149C0463R	Allocated	1
S033279	NAS1149D0363J	NAS1149D0363J	Allocated	8
FM137988	NAS1149D0463J	NAS1149D0463J	Allocated	9
S033278	NAS1149D0463J	NAS1149D0463J	Allocated	25
S036273	NAS1149D0463J	NAS1149D0463J	Allocated	16
S033274	NAS1149D0563J	NAS1149D0563J	Allocated	8

D206-642-341 BL 5033691 1X
D206-648-013 BL 5036368 1X

4.5 206 L/L-1/L-3/L-4/407 LOW & HIGH GEAR SKIDTUBES

ITEM	QTY -311	QTY -312	QTY -313	QTY -314	QTY -341	QTY -357	QTY -349	QTY -351	QTY -013	PART NUMBER	DESCRIPTION
	X									D206-642-311	SKIDTUBE INSTALLATION, LH
		X								D206-642-312	SKIDTUBE INSTALLATION, RH
			X							D206-642-313	SKIDTUBE INSTALLATION, LH
				X						D206-642-314	SKIDTUBE INSTALLATION, RH
	1	1			X					D206-642-341	SKIDTUBE
						X				D206-642-357	WEARSHOE KIT (REPLACES -347)
							X			D206-642-349	RUN-ON LANDING WEARPLATE KIT
			1	1				X		D206-642-351	SKIDTUBE
	1	1	1	1					X	D206-648-013	GROUND HANDLING KIT
1					1					D2650-5	SKIDTUBE ASSEMBLY
1								1		D4361-041	SKIDTUBE ASSEMBLY
2A					14			4		D2651-1	* PLUG ⁽¹⁾
2B					14			4		D2651-3	* O-RING ⁽¹⁾
3					1			1		D2646	* AFT CAP ⁽¹⁾
4					2			2		MS27039-1-08	* SCREW ⁽¹⁾
5					2			2		NAS1149D0332J	* WASHER ⁽¹⁾ (OR AN960JD10L)
6	1		1							D2932-1	SADDLE, FWD OUT, LH
6		1		1						D2932-2	SADDLE, FWD OUT, RH
7	1		1							D2933-1	SADDLE, FWD IN, LH
7		1		1						D2933-2	SADDLE, FWD IN, RH
8	1		1							D2938-1	SADDLE, AFT OUT, LH
8		1		1						D2938-2	SADDLE, AFT OUT, RH
9	1		1							D2939-1	SADDLE, AFT IN, LH
9		1		1						D2939-2	SADDLE, AFT IN, RH
10	8	8	8	8						AN3-41A	BOLT
11	16	16	16	16						D2652	BUSHING
12A	8	8	8	8						MS21042-3	NUT (OR MS21042L3)
12B	8	8	8	8						NAS1149D0363J	WASHER (OR AN960JD10)
13	4	4	4	4						AN5-10A (OR AN5-11A)	* BOLT ⁽²⁾
14	4	4	4	4						AN5-11A (OR AN5-12A)	* BOLT ⁽²⁾
15	8	8	8	8						NAS1149D0563J	WASHER (OR AN960JD516)
16	12	12	12	12						AN4-6A	BOLT
17	24	24	24	24						NAS1149D0463J	WASHER (OR AN960JD416)
18	12	12	12	12						MS21042-4	NUT (OR MS21042L4)
20A					6	6				D3537-1	WEARPAD (REPLACES D2648-3)
21A					1	1				D3537-3	WEARPAD (REPLACES D3429-1)
22A					1	1				D4956-11	WEARSHOE (REPLACES D3535-11 + D3536-11)
23A					1	1				D4956-23	WEARSHOE (REPLACES D3535-23 + D3536-23)
24A					1	1				D4956-35	WEARSHOE (REPLACES D3535-35 + D3536-35)
26A					54	54				MS27039C1-08	SCREW
26B					54	54				NAS1149C0332R	WASHER (OR AN960C10L)
26C					54					ALS7-1032-130	* INSERT ⁽¹⁾ (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)
30	1	1	1	1						D3407-043	TOW RING ASSEMBLY (REPLACES D2968-043)
32A	1	1	1	1						D3456-1	WASHER
32B	2	2	2	2						D3457-1	WASHER
33	1	1	1	1						MS21043-4	NUT
34	1	1	1	1						AN4C5A	BOLT
35	1	1	1	1						NAS1149C0463R	WASHER (OR AN960C416)
36	1	1	1	1						D3413-1	RING (REPLACES D2655)
37	10	10	10	10						D2712	SET SCREW
38	2	2	2	2						D2934	SADDLE SPACER
39	2	2	2	2						D2935	SADDLE SPACER
40									2	D3414-041	GHW LUG (REPLACES D2659)
41									4	AN3C37A	BOLT
42									8	D2652	BUSHING
43									4	MS21043-3	NUT
44									4	NAS1149C0363R	WASHER (OR AN960C10)

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Revision: Q

Date: 13.08.12



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Inventory

Operation Number	Operation	Serial Number	Job	Master Unit Number	Quantity	Weight	Original Serial Number	Location	Container	Status	Added	Special Comments	Label	Supplier	Change No	Inventory Type
Part Number: D206-642-311BL Revision: Skidtube LH (Ael Blue)																
90	Start up Operation	S036311	170520		0 Ea	0	S036311	Start Up Stores/Pkg-1		WIP	1/29/2018	*				False
Operation Totals:		1			0	0										
140	QC21-FG	S036316	170520		1 Ea	0	S036316	PK001		On Truck	1/29/2018	Issue Container				False
Operation Totals:		1			1	0										
Part Totals:		2			1	0										
Part Number: NAS1149D0463J Revision: Washer																
100	Receive Ea	S033278	170520	000166	13 Ea	0		Start Up Stores/Pkg-1		Allocated	1/18/2018	Issue Container				False
Operation Totals:		1			13	0										
Part Totals:		1			13	0										
Totals:		3			14	0										

Plex 2/1/2018 2:14 PM dart.Gagnon.Michelle